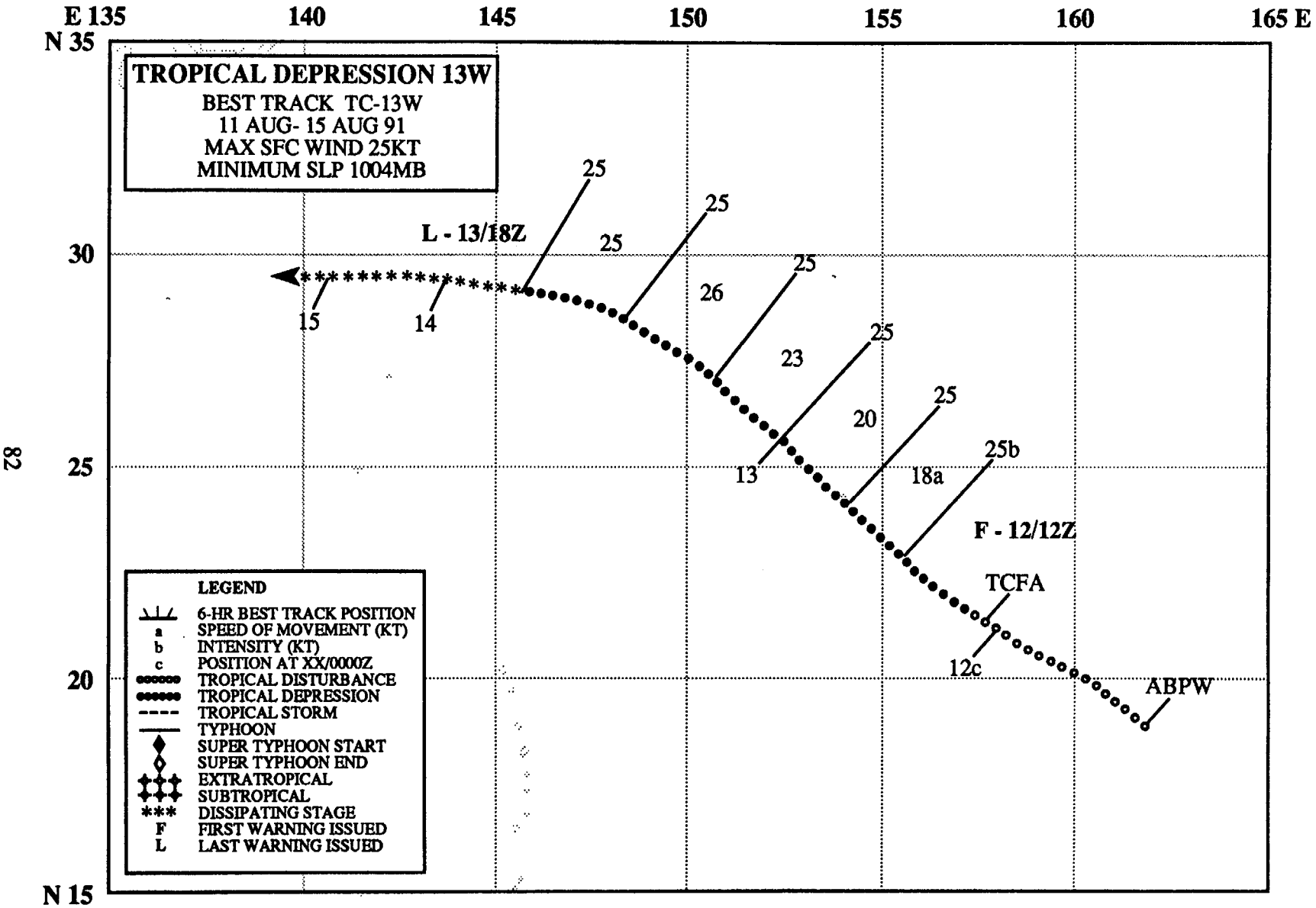
E 135
140
145
150
155
160
165 E
N 35
30
25
20
N 15
TROPICAL DEPRESSION 13W
BEST TRACK TC-13W
11 AUG- 15 AUG 91
MAX SFC WIND 25KT
MINIMUM SLP 1004MB
L - 13/18Z
25
25
25
26
25
23
25
20
25
25b
18a
13
15
14
F - 12/12Z
TCFA
12c
ABPW
LEGEND
6-HR BEST TRACK POSITION
a SPEED OF MOVEMENT (KT)
b INTENSITY (KT)
c POSITION AT XX/0000Z
TROPICAL DISTURBANCE
TROPICAL DEPRESSION
TROPICAL STORM
TYPHOON
SUPER TYPHOON START
SUPER TYPHOON END
EXTRATROPICAL
SUBTROPICAL
*** DISSIPATING STAGE
F FIRST WARNING ISSUED
L LAST WARNING ISSUED

82

# TROPICAL DEPRESSION 13W

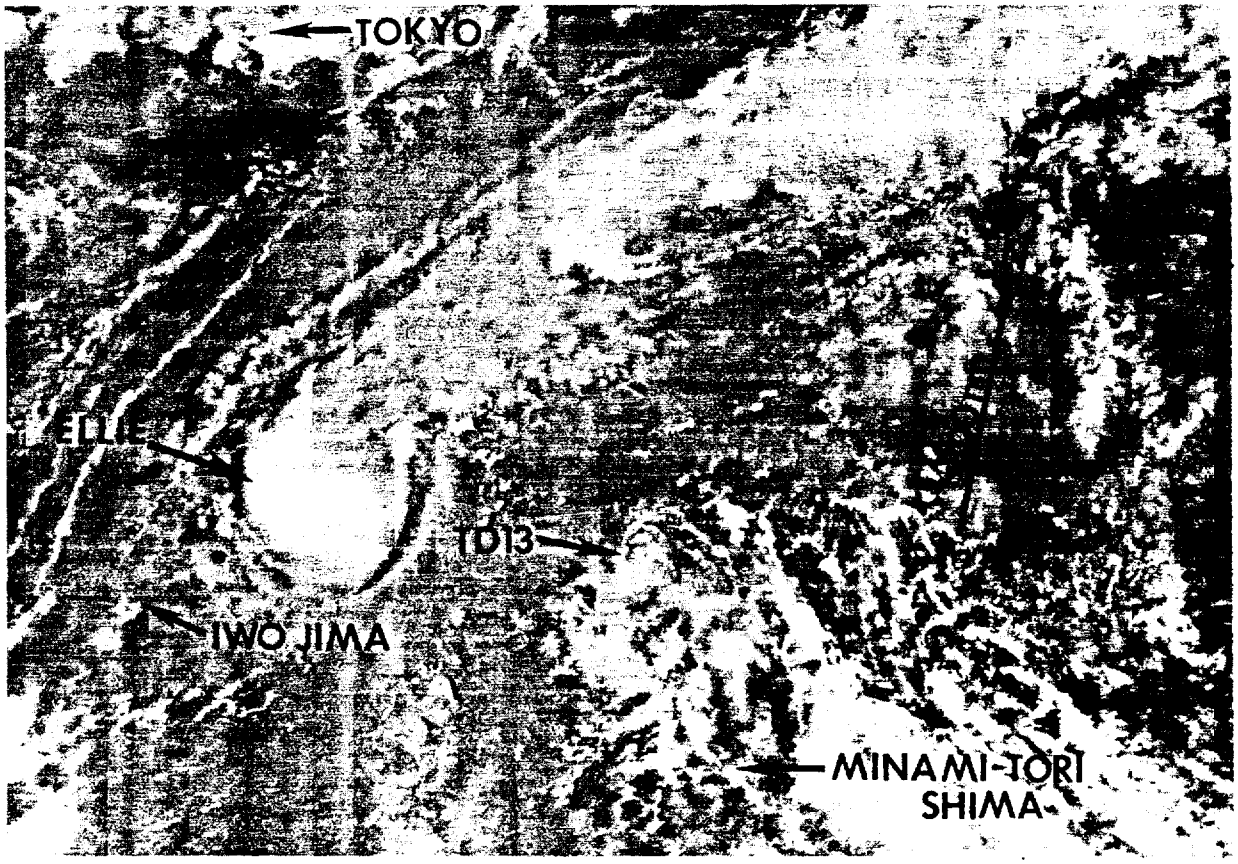


Figure 3-13-1 Tropical Depression 13W dissipates east of Typhoon Ellie (11W)(130406Z August NOAA visual imagery).

Tropical Depression 13W formed as a low pressure area in the same NSS monsoon gyre (Lander, 1992) as Typhoon Ellie (11W), and then tracked northwestward in Ellie's wake. Tropical Depression 13W was marked by large diurnal fluctuations in convection which slowed the development of strong surface winds. The disturbance was first mentioned on the Significant Tropical Weather Advisory at 110600Z. Following its next diurnal flare-up in convection, JTWC issued a Tropical Cyclone Formation Alert at 120130Z. Based on synoptic reports of 25 kt (13 m/sec) winds within 100 nm (185 km) of the circulation center and a Dvorak current intensity estimate of 25 kt (13 m/sec), the first warning was issued at 121200Z. Shortly afterward, convection decreased and visual satellite imagery of the remaining low-level circulation revealed that the cyclone center was poorly organized. When convection failed to redevelop around the center, JTWC issued its final warning on Depression 13W at 131800Z.